

Wall Clock And Electric Fry-Pan Safety's Big Prizes For Radiation Safety Poster

Rejuvenated Contest Features Bigger And Better Awards; All Employees In Y-12 Are Eligible

A new surge of interest has sprung up in the Safety Department's current poster race! With the increased value of the prizes, and the erasing of all previous winners, many more entries are coming in.

The November contest which opens today has as its theme: "Radiation Safety and Evacuation Procedures." This timely topic should open up wide avenues of imagination for prospective entrants.

Meanwhile, the safety awards for the 27th period attained by Y-12ers without a lost-time accident are being distributed this week. The three-piece Pyrex bowl set did not get in time for distribution, and employees selecting this award will be advised when to pick up their choice. This period covers the time from April 18, 1961 through June 29, a total of 72 days or 2,575,823 man-hours.

The fine prizes for the poster contest are announced as another all-electric bonus, featuring a frypan and a beautiful wall clock. First prize winner will receive his choice of these two items. The other award will, naturally, go to the second placer in the poster competition.

The agenda announced for this month's race will be used as February's safety projects throughout the plant. The prize-winning poster idea will be adapted and used in bulletin board display.

Entries will be taken in this contest all through the month of November. They must be in the Safety Office by Thursday, November 30 at 4:30 p.m.

All Employees Eligible

All employees in the Y-12 area, except members of the Safety Department, and the two winners for October's race, are eligible to participate. Last month's winners will be notified of their victories this week, and will appear in next week's Bulletin.

Artistic ability is no requirement. Many of the winners in previous contests were crudely but imaginatively drawn. If sketching talent is completely nil, a written description of the intended illustration will suffice, according to Safety.

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MODERN IS THE WORD FOR THE CLOCK! Tremendous is the word for the electric frypan! Pretty is the word for the model! The prizes (the clock and the frypan) will be given away in the November poster contest, opening today. The poster competition is sponsored by the Safety Department. The model, incidentally, is Pat Hartman, of Employment, who goes to Engineering Services next week.

Y-12ers Up UF Gifts By More Than 11%

Give An Average Of \$6.96 Per Employee

Final tabulations in the Central Fund Drive in Y-12 indicate that an average of \$6.96 per person was given to the 1961-62 Community Chest-Red Cross drive. This is an increase of 76c per person over last year's figures.

A total of \$36,636.60 went into the five-county drive from Y-12 compared to \$30,981.00 for the previous year. Of this amount, Anderson County took the bulk of Y-12's part of the fund with \$21,723.50.

Other contributions included Knox County, \$9,411.85; Loudon County, \$340.50; Morgan County, \$541.50; and Roane County, \$4,619.25. Morgan County was not listed on the Central Fund campaign last year.

The three Union Carbide Nuclear Company plants in Oak Ridge gave a total of \$93,290.36. Breakdown gives Oak Ridge Gaseous Diffusion Plant \$24,975.20; Oak Ridge National Laboratory, \$31,678.56; and Y-12, \$36,636.60. There were decided increases in each plant with the exception of ORGDP, where employment figures are off since last year.

NOBODY WANTED KANGAROOS

Although Australia was discovered by Europeans in 1601, no nation bothered to claim it until England did in 1770, more than a century and a half later.

MANHATTAN TOWERS

Of the 20 tallest buildings in the United States, 19 are located in New York City. The other, ranking 10th, is the Terminal Tower, Cleveland, Ohio.



DOWN FROM THE 'HOME OFFICE,' visiting in Y-12 last week was Vice President A. B. Kinzel, in charge of research for Union Carbide Corporation. From left are J. M. Case, superintendent of Mechanical Operations; Y-12 Plant Superintendent Robert G. Jordan; Manager of Operations John P. Murray; Kinzel; and A. P. Huber, superintendent at Oak Ridge Gaseous Diffusion Plant.

Welding Society Will Hear Redstone Expert

Former ORNLer Talks On U. S. Army Missiles

The Northeast Tennessee Section of the American Welding Society will hold its next meeting, Tuesday, November 14, at the Deane Hill Country Club, Knoxville. The social hour begins at 6:30 p.m., dinner at 7 p.m., and the technical session at 8 p.m. Visitors, guests and students are invited to attend any phase of the meeting.

Featured speaker will be Lieutenant Edward J. Wilson, from the Redstone Arsenal, Alabama. He is a member of the research and development operations of the Army rocket and guided missile agency. Formerly with Oak Ridge National Laboratory, Wilson will talk on "Welded Rocket Motor Cases Are Reliable at 200,000 psi Yield Strength."

His talk will center around materials and manufacturing techniques employed in production of solid propellant rocket motor cases. Exciting films of missile firings and more than 80 slides are included in the discussion. This talk has been scheduled in this section because of its success at the AWS spring convention last April.

New members welcomed into the local are John Hawkins, Harold Watkins, Charlie Huling, Vern Gritzner and Gerry Tolsey.

Area Credit Unions Boast 16,475 Members

Credit Unions in the Oak Ridge Area list membership as 16,475, owning more than \$8,000,000 in shares, and loans in chapters out in the amounts of \$7,000,000. This includes credit unions at Y-12, Oak Ridge Gaseous Diffusion Plant, Oak Ridge National Laboratory, Oak Ridge Institute of Nuclear Studies, Atomic Energy Commission, Management Services, Inc., Oak Ridge city employees, Oak Ridge Hospital, and the Oak Ridge School system as well as employees at the Tennessee Valley Authority's Kingston Steam Plant, the Mead Company, Harriman, and the LaFollette Community Hospital.

Four Promotions Effective Today



A. Smith

F. E. Shipley



J. L. Crossno

G. Baird

Four promotions are announced among Y-12ers, which became effective today, November 1.

Promoted from a production machinist to craft foreman is Garrett Baird, Jr. in Production Inspection of the Technical Division. Baird, a native of Habersham, Tenn., and a United States Navy veteran, lives at Route No. 17, Knoxville. He came to Y-12 May 15, 1961.

John L. Crossno, Jr., a machinist in the General Machine Shop, has been promoted to a craft foreman, also in Production Inspection. Crossno, a native of Bemis, Tenn., lives at 137 Wellington Circle, Oak Ridge. A veteran of the United States Air Force, he attended East Tennessee State Teachers College, Johnson City, Tenn. His continuous service date is March 29, 1954.

Also promoted to craft foreman in Production Inspection is Aran Smith, who came to Y-12 May 13, 1954. A native of Hilton, Va., he served in the United States Marine Corps. Smith lives at 509 Woodland Dr., Clinton.

Sheet metal worker Frank E. Shipley is promoted to a craft foreman in the General Machine Shop of Mechanical Operations Division. He was born in Knoxville, and attended the University of Tennessee and the Fulton Vocational School. A veteran of two years in the United States Army, Shipley came to Y-12 October 5, 1951.

THE EYES HAVE IT!

Approximately 50 per cent of all American adults wear glasses.

UCC Sales Up Four Per Cent For New High

Third Quarter Shares To Earn 90¢ Each

Sales of Union Carbide Corporation for the third quarter of 1961 were \$397,011,000, a record high for this quarter. This is an increase of four per cent over sales for the previous quarter and three per cent over the same quarter in 1960.

Net income, according to Morse G. Dial, chairman and chief executive officer, for the third quarter amounted to \$35,175,000, or \$1.16 per share. The previous quarter had a net income of \$35,671,000, or \$1.19 per share. The corresponding third quarter for 1960 had a net income of \$36,235,000, or \$1.20 per share.

\$3.60 Per Share Goes To 1961 Stockholders

The board of directors of Union Carbide Corporation has declared a quarterly dividend of ninety cents (90c) per share. This is payable on outstanding capital stock payable December 1, to stockholders of record November 6, 1961. This is the same amount paid per share September 1, for the second quarter of 1961.

Payment of this dividend will make a total of \$3.60 per share paid during 1961, the same that was paid last year.

Sales for the first nine months of 1961 amounted to \$1,144,469,000, only one per cent below record sales of \$1,157,512,000 during the same period of 1960. Net income for the first nine months of 1961 amounted to \$104,570,000, or \$3.47 a share, a decline of 11 per cent from \$117,427,000, or \$3.90 per share, in the comparable period of 1960.

Principal reasons for the decline in net income were a substantial increase in depreciation and lower selling prices for some products.

The third quarter of 1961 saw 30,104,783 shares of stock outstanding for Carbide.

New Herbicide Has Ready-Made Market!

A leading chemical company (not Union Carbide) announces a new development of a chemical herbicide. Initial advertisements indicate that the weed-killer is especially effective against wild oats. Now there is a product with a ready-made market. Wide acceptance of the product is expected!

SAFETY SCOREBOARD

The Y-12 Plant Has Operated
54 Days Or
1,828,000 Man-Hours
(Unofficial Estimate)
Without A Disabling Injury
Through October 29
Phone 7755
For Daily Report
On Accident-Free Hours

The Bulletin

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NUCLEAR COMPANY
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WEDDINGS



Mr. and Mrs. Charles F. Piper, III

PIPER-KENDIG

Of special interest to Y-12ers was the October 7 wedding of Miss Lois Annette Kendig to Airman Second Class Charles F. Piper, III. The marriage took place at the Robertsville Baptist Church, Oak Ridge. The double-ring ceremony was performed by the Reverend W. C. Summar.

The bride and groom are both children of Y-12ers. The new Mrs. Piper is the daughter of Mr. and Mrs. Avery F. Kendig, 112 Georgia Avenue, Oak Ridge. Her father is in Salvage. The groom is the son of Mr. and Mrs. Charles F. Piper, 120 Georgia Avenue, Oak Ridge. His father is employed in Chemistry Development.

Traditional wedding music was provided by Mrs. Earl Henry, organist, and Mrs. Chad Tubbs, soloist.

For her wedding, the bride chose a white brocade sheath dress. Her short veil of illusion was held by a headband bearing artificial orange blossoms. She carried a white prayer book, topped with a white orchid corsage with stephanotis, lilies of the valley and streamers.

Sister Maid-of-Honor

Miss Barbara Joyce Kendig, sister of the bride, was maid-of-honor. She wore a pink brocade sheath dress and a pink net and velvet hat. Her bouquet consisted of a nosegay of dark pink asters and fall flowers. Another sister, Miss Brenda Carol Kendig, kept the bride's book. She wore a green brocade dress.

The groom's attendants were his father as best man, and ushers Larry V. Young, Avery F. Ken-



One of those rare jewels fell last week from the lips of Carl Sandburg, typically American and typically one of the sage heads of the nation. Referring to a statement by a politician made recently, Sandburg stated, "... he is so cheaply unhistorical."

Let's be richly historical and see what gives in Y-12, first in

INDUSTRIAL RELATIONS

Fire and Guardsmen are wellcoming back J. H. Russell, who has been off ill ... Lt. R. G. Perkins is vacationing up home at Wartburg ... Sympathy is extended the H. L. Dickenson family in the death of Mrs. Dickenson's father.

The cafeteria comes in with news of Madeline Tackett, vacationing at home in Lake City ... Vacationing for the past two weeks in points west, around Memphis and St. Louis, were Wynetta Patterson and husband, Pat, of the F&G Department.

Over in Security Anne Rackley has been visiting her mother in Texas, who is ill. Best wishes go to her.

The easiest way in the world to crush your laurels is to lean on them.

TECHNICAL

Down in Beta Four the Special Projects Department is growing like Topsy ... they haven't put the red carpet away yet, just dusted it off again. This time it was the old handshakes for Nelson Van Wie, transferred in from ORGDP.

Man doesn't have as keen instincts as an animal — but he is quicker coming up with excuses.

DEVELOPMENT

Metallurgical Development folks are congratulating the Fred Pattersons, for the arrival of their daughter Dawn Susan, who put in an appearance October 21 at the Oak Ridge Hospital.

It is every girl's dream to be swept off her feet by a man she can dominate.

SHIFT SUPERINTENDENTS AND UTILITIES

Up on the ole hill, it's learned that D. H. Rader vacationed last week relaxing for a few days around home in Oak Ridge.

Also vacationing around home this week is R. D. Freels ... E. D. Lay went to parts unknown ... A. S. Howell is deer hunting and fishing the briny deeps around local waters ... A. H. Shubert is visiting relatives in Indiana ... R. G. Hurst is sent along for duty with Uncle Sam with the best wishes of all cohorts. He left recently for active duty.

One reason why children always brighten a home is because they never turn off the lights.

MECHANICAL OPERATIONS

Out in F area of Special Mechanical Production it's vacations for E. M. Miller, Morris Dupee, and C. T. Selvidge, all gone last week, but nobody knew where ... That deluxe vacation that J. A. Lewis took out in Wagoner, S. D., brought in a postcard saying that the ring-necked pheas-

dig, Jr., brother of the bride, and Billy Piper, brother of the groom, all of Oak Ridge.

Reception at Bride's Home

A reception was held for the family at the bride's home immediately after the wedding.

The groom is a graduate of Castle Heights Military Academy, Lebanon, Tennessee, and attended the University of Tennessee. He is presently serving in the United States Air Force at Charleston Air Force Base, South Carolina. The bride is a graduate of Oak Ridge High School, and has been employed at Oak Ridge National Laboratory.

After a wedding trip, the couple are at home in Charleston, S. C.

ants out there sure do fly fast and hard. Said also the weather was really nice, and that he was getting his share of the pretty birds.

L. A. Shular, General Machine Shop, is vacationing in Illinois this week ... The folks in the shop are sending congratulations to Jim Mills, who was married last week, and also to F. K. Clabough who will take the big step next week.

Sign seen in a closed store: "We undersold everybody!"

FINANCE AND MATERIALS



Sue Scott

Corum Scott, Finance and Materials Administration, has reason to be proud these days. His daughter, Sue, has been elected football queen at Harrison-Chilhowee Baptist Academy, Seymour, Tenn. She is a senior at the academy and is taking great interest in music. She is featured pianist in the school's quartet, and plays for the choral group for the school. Sue plans to study music and secondary education at Carson-Newman, Jefferson City, next year. The active senior is a member of the Beta Club, a national scholastic honorary society, and a cheerleader at the private school. The Scotts live at 4213 Royal View Rd., Knoxville, in the Cumberland Estates section.

Who said the age of chivalry was dead? The other day we saw a teen-ager drop her book, and a teen-age boy kicked it over to her!

'Screw Spin Structure' ORNL Physics Seminar

The Physics Division at Oak Ridge National Laboratory's seminar for Friday, November 3, is announced as "The Theory of the Screw Spin Structure." Leading the discussion will be A. Yoshimori, Ohio State University, Columbus, Ohio.

The meeting, open to all interested technical personnel, will be held at 3:15 p.m. in the Central Auditorium of ORNL's 4500 building.

'Cissy' Pruitt Earns Silver Hostess Wings

Her Flight Duty Will Be New York

Now on flight duty from New York City is Lea Sharon Pruitt, daughter of Mrs. Lucille Pruitt, of the General Machine Shop. Lea, herself, is a former Y-12er, being employed in the Radiographic Laboratory.

The new hostess received her wings of silver recently at American Airlines' Stewardess College, Ft. Worth, Texas. She graduated from Oak Ridge High School, and also attended Middle Tennessee State College, Murfreesboro, Tenn.

Born in Portland, Ore., she was known as Cissy Pruitt in High School and while she worked at Y-12.



Lea Sharon Pruitt

Y-12ers Celebrating 15, 10 Year Anniversaries

Congratulations to the following Y-12ers who will celebrate 15 and 10 year anniversaries with Carbide within the next few days.

15 YEARS

Floyd M. Downs, Jr., Industrial Engineering, November 1.

10 YEARS

Hobert O. Caughron, General Machine Shop, November 1.

Robert H. Tilley, Z Area and Dispatching, November 1.

J. V. Hawkins, Research Services, November 1.

Clyde W. Wise, Z Area and Dispatching, November 1.

Ted G. Crabtree, Area Five Maintenance, November 2.

Charles E. Wuest, Product Quality Acceptance, November 2.

Robert U. Clotfelter, Buildings and Grounds, November 3.

Robert P. Waldrop, Accounting and Budget, November 5.

Byron D. North, Engineering Mechanics, November 5.

Henry H. Sanning, Machine Maintenance, November 5.

Duane W. Bennett, Area Five Maintenance, November 5.

Luther B. Seals, Process Analysis, November 6.

James C. Mills, Area Five Maintenance, November 6.

John S. Steward, Sunflower Shop, November 7.

Samuel M. Thompson, Process Maintenance, November 7.

James A. Weldon, Chemical, November 7.

William C. Hoppe, Jr., Accounting and Budget, November 7.

Camera Club Sets Fair For Saturday

Cameraddicts are being urged to "Come to the fair!" Yes, the Carbide Camera Club is opening with its big exhibition, Saturday, November 4, from 3 to 9 p.m. The "fair" location will be the Ridge Recreation Hall, in the Coral Room, Oak Ridge.

Featured in the big show will be color slides, exhibits of photo equipment, cameras and pictures.

There is no admission charge. Everyone is welcome, whether he is a member of the Camera Club or not.

Each member may submit 10 color slides for the show and 10 black and white prints of any size.

Entries must be in by today. After November 1, none will be taken. Color entries may be given to Joe Stewart, plant extension 7171, and black and white entries should go to Al Palko and C. M. Begun.

FATHER DOESN'T KNOW BEST

A grocery-shopping survey reveals that when the husband joins the food buying expedition, there is more brand switching and trying of good products new to families. And the survey also shows—as every wife knows—that more money is spent when Momma is along than when Momma shops alone.

Famed Trio Will Open ORCMA Series

The Oak Ridge Civic Music Association will present its first concert in the Chamber Music Series, Saturday, November 4, at 8:15 p.m. at the Oak Ridge Playhouse in Jackson Square. Featured will be the Pasquier Trio.

The renowned trio is composed of three brothers — violinist Jean, violist Pierre and cellist Etienne Pasquier. The trio has played together since childhood and many modern musicians such as Milhaud, Hindemith, Martinu and Villa-Lobos have written music expressly for them. They have made an important contribution to the revival of interest in the string trio. They include both modern and classical works in their repertoire. Works by Beethoven, Hindemith and Villa-Lobos will be given at the Friday concert.

Season tickets for the series are available by subscription.



Get well wishes are speeded the following Y-12 employees who were patients last week in the Oak Ridge Hospital:

W. W. Watt, General Machine Shop; W. F. Smith, Product Processing; F. H. DeFord, Research Services; Freddie Bowens, Area Five Maintenance; C. E. Wilkerson, Janitors Department; R. E. Ballew, Steam Plant; Mack Haynes and L. C. Manley, Janitors Department; J. A. Briggs, Research Services.

Foreign Film Series Feature Fernandel, Toto

The 1961-62 Foreign Film series will open in Oak Ridge Sunday, November 5, with showings at 7 and 9 p.m. The first film in the series is "The Law is the Law," featuring Fernandel and Toto. The French comedy will be accompanied by a short feature, Marcel Marceau's Pantomimes.

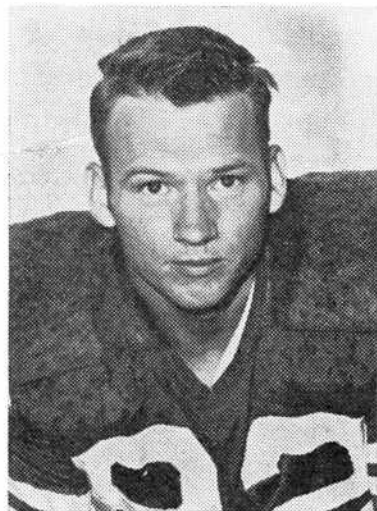
Tickets for this performance may be purchased at the box office at Jefferson Junior High School. Season tickets for the entire series are still available. The cinema programs are sponsored by the American Association of University Women of Oak Ridge. Profits from ticket sales benefit the Fellowship Grant Fund of the AAUW.



Ohio Valley Teams' Passing Record Shattered By Son Of Y-12er Dykes

Young George Dykes, Former Ridge Star, Excels At Middle Tennessee State College As Fancy End

Mighty George Dykes just might break his own records down at Middle Tennessee State College, Murfreesboro. The flashy end for MTSC has gained 480 yards in six games on 18 completed passes, making him the top receiver in the Ohio Valley Conference.



GEORGE DYKES

The six foot-three inch, 197-pounder is the son of Mr. and Mrs. George H. Dykes, 831 Outer Drive, Oak Ridge. His father is in Y-12's Engineering Mechanics. Coach Charles "Bubber" Murphy calls Dykes, "One of the best offensive ends we have ever had." The head mentor remarked, "George has real good hands, and will get after the ball when it is thrown. When he gets it, he runs like a halfback."

May Break Own Records

Of the six games played thus far, only one college "shut-out" Dykes, the contingent from Eastern Kentucky State College. Three games are left on MTSC's 1961 schedule, which means that George will be breaking records in every game left he plays. Last Saturday's tilt was with the Florence (Alabama) Raiders.

One of the longest passes caught by the young MTSC star was for 75 long yards against Morehead State.

Young Dykes was a star gridder during his high school days in Oak Ridge. He also attended Castle Heights Military Academy, and played his freshman year with the University of Tennessee Volunteers.

Shoulder Injured

The record-wrecking performed by Dykes does take its toll, however. Injured in the Chattanooga game a couple of week-ends ago, he was listed as a "doubtful" starter for last Saturday's game.

All season Dykes has been the main target for quarterbacks Jerry Pearson and Terry Bailey. Catches 4 TD Passes

His aerial dynamics have been responsible for four touchdowns, and a two-point conversion score for the middle Tennessee school.

The University of Chattanooga spoiled homecoming for the Raiders, Saturday, October 21 by dumping them 25 to 12.

The injury-beset Raider team offers fierce competition for the three teams left on tap — Murray State, East Tennessee State, and Tennessee Tech.

GIVE A TRAILER ROOM

Motorists should allow a driver towing a trailer plenty of room; he is handicapped by greater stopping distances. Motorists also should remember that it takes greater clearance ahead to pass a car and trailer.

Rollmasters In 5th Place Terrace Loop

The Y-12 Rollmasters, bowling in the Wednesday League for Carbiders at the Oak Terrace, last week took three points from the Oak Ridge Gaseous Diffusion Plant team, the Wallops. Occupying fifth place in the league, the Rollmasters are only six points away from first place in the tightly-contested flight.

ORGDP men took top honors in the week's play as Paul Vanstrum, Head Pins, took individual singles honors with a 218 and 260 score. Tex Thrower, Woodpeckers, took scratch series with 556 and Don Burton, Sandbaggers, took handicap series honors with 642.

League standing follows:

Team	W	L
Pirates	23	9
Head Pins	22	10
Sand Baggers	19	13
Planners	17½	14½
Rollmasters (Y-12)	17	15
Woodpeckers	16½	15
Cast Offs	16	16
Wallops	15	17
Waco's	15	17
Mix-Ups	11	21
Lab Demons	11	21
Rookies	9	23

Security is always in season.



ON TOP OF OLD SMOKY is this band of cold hikers. (They aren't really frozen, they just look thataway!) Sitting in front are Sarah Clark and Frances McGuinness. Standing from left are Frank McGuinness, Curtis Clark, Ted and Mary Newman, Jeanne Cothron, Buddy Scott and Mildred Kidwell. The gang hiked to Mount LeConte recently, enjoying the Alum Cave Trail and the 17° weather. After the "bearburger" dinner, the crowd settled down to popping corn and singing(?) before the welcome open fire at the lodge.

Basketballers Get Together Tomorrow Night

Winter sports for Y-12ers will get a shot in the arm tomorrow night, Thursday, November 2, as the Carbide Basketball League gets organized. Team representatives are gathering at 7:30 p.m. in the Central Employment Office lobby in Charlotte Hall, Oak Ridge, for the purpose of lining up the teams and their players.

Hoopsters from Y-12 and Oak Ridge Gaseous Diffusion Plant will again pit their skills against each other for the intra-plant championship. Last year 12 teams participated in the league. At least that many, if not more, are expected this year.

The season will open Monday, November 27 at the Oak Ridge High School gymnasium. Play will ensue each Monday there, and Thursday night's hardwood action will take place at Robertsville Junior High's gym.

All captains or team representatives are urged to attend the meeting.

Recreation has also put out a call for the All Carbide Volleyball League, which encompasses ORGDP, Y-12 and the Oak Ridge National Laboratory teams. The three-plant league is accepting teams now for league competition.

To enter a team, call the Recreation Office, telephone 7109. Volleyball action gets underway at the High School gym Thursday, December 7. A minimum of six is required for each volleyball team.

ORSA Turkey Shoot Commences Tonight

All Carbide employees are invited to participate in the annual series of turkey shoots at the Oak Ridge Sportsman's Association. The weekly contests will be held on Wednesday nights at 7:30 p.m., beginning today, November 1, and through November 22. An additional series of shoots will be held just prior to the Christmas holidays.

The turkey shoots are held at the ORSA Club House on the Turnpike, near the west end of Oak Ridge. Guns are available for those who do not bring their own. Shells for use in all events will be available also. The cost for entering will be \$1 per shoot.

Winners will have their choice of turkeys or hams. Free hot coffee will be available at the site.

Two Y-12 Teams Bowl In D League

Dry Hides And Rodders Carry Hopes At Terrace

The two Y-12 teams bowling in the All Carbide D League at the Oak Terrace both racked up points last week. The Rodders took three points from the Alley Rams, while the Dry Hides took four from ORINS. The Pin Heads' own John Schmitt took high handicap single honors with a 246 game. Ray Waldrup, Dry Hides, took top handicap series tops with a 666.

League standings in the new league:

Team	W	L
Gassers	9	3
Termites	8	4
Kemix	8	4
Pin Heads	7	5
Dry Hides (Y-12)	8	4
Sh-Booms	7	5
Beryls	6	6
Alley Rams	5	7
ORINS	5	7
Rodders (Y-12)	4	8
Hephex	3	9
Guttersnipes	2	10

22-Rifle League Forms Monday Nite

Riflemen, adept in the 22 calibre class, are invited to the Anderson County Gun Club house, Clinton, Monday, November 6, at 7 p.m. This is the first match of a weekly series for the Fall and Winter season.

All shooters will be assigned to a team. There will be trophies for high handicap and high scratch scores, at the end of the season. Y-12ers are also reminded that there are pistols available for loan, and all targets are free. Any interested in the dead-eye game of the old 22 are welcome to participate in the rifle matches.

Constitution Writers Framed Timeless Document

Framers of the United States Constitution should have looked to their grammar. In the preamble, the expression "in order to form a more perfect union," would have been more literal if it read "in order to form a more nearly perfect union." The word perfect has absolute value, and can have no degrees of more or less.

Despite the above word quibbling the Constitution stands as one of the great documents conceived by man, insuring "equal justice under law" to all.

Welfare, Patton High Skeeters

Y-12ers Take Scratch And Handicap Honors

Latest blasts from the old shot guns of the Skeet League for Carbiders were held Sunday, October 22. Y-12ers lead the league in both scratch and handicap scoring as Fred Welfare's scratch score of 115 is tops, and Finis Patton's fine handicap score of 122 edged M. L. Bailey's out by only one point.

Next firing will be held Sunday, November 5, at the Oak Ridge Sportsmen's Association field. Firing gets underway at 1 p.m.

Scratch and handicap listings in the league follow:

SCRATCH	
Fred Welfare, Y-12	115
Ken Bahler, ORGDP	110
M. L. Bailey, Y-12	108
F. S. Patton, Y-12	107
Jack Case, Y-12	104
Bill Dacy, ORGDP	102
Jim Hodges, Y-12	99
Hall Tunnell, Y-12	96
Don Pitt, Y-12	95
Charlie Asmanes, ORGDP	94
Bill Brundage, ORNL	88
Jim Turner, Y-12	81
Robert McNabb, Y-12	76
M. C. Wiest, Y-12	74
Avis Collins, Y-12	70
Darrell Bell, Y-12	70
R. E. McHenry, ORNL	60
Bill Sahr, Y-12	60
J. M. Patterson, Y-12	58
Jack Stewart, Y-12	56
Dave Kirkman, Y-12	51
Bill Weathersby, Y-12	48
J. P. Murray, UCNC	41
Betty Bell, ORNL	41
J. E. Rhew, Y-12	37
M. A. Bender, ORNL	36
R. S. Bender, ORNL	15

HANDICAP	
F. S. Patton, Y-12	122
M. L. Bailey, Y-12	121
Fred Welfare, Y-12	120
Ken Bahler, ORGDP	118
Bill Dacy, ORGDP	118
Charlie Asmanes, ORGDP	116
Don Pitt, Y-12	115
M. C. Wiest, Y-12	113
Jim Hodges, Y-12	113
Jack Case, Y-12	111
Hall Tunnell, Y-12	109
Darrell Bell, Y-12	106
Betty Bell, ORNL	103
Jim Turner, Y-12	98
Clyde Hopkins, Y-12	97
Robert McNabb, Y-12	96
Bill Brundage, ORNL	92
Avis Collins, Y-12	91
Bill Sahr, Y-12	89
Jack Stewart, Y-12	85
J. M. Patterson, Y-12	77
R. E. McHenry, ORNL	74
J. P. Murray, UCNC	65
Dave Kirkman, Y-12	65
Bill Weathersby, Y-12	64
J. E. Rhew, Y-12	49
M. A. Bender, ORNL	49
R. S. Bender, ORNL	23
*Incomplete score.	

Y-12 22ers Barely Lose to ORNL Team

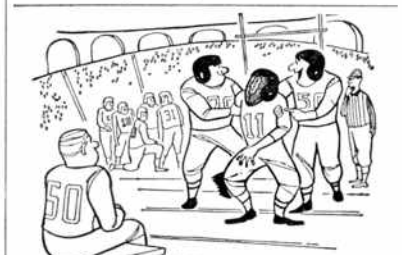
The Oak Ridge National Laboratory 22 calibre rifle team won one set of matches from the Y-12 team in the Carbide Rifle League, in action October 25.

Top Y-12 gun was Bert Searles, scoring 100 in prone position. Al Blay scored 98, Ed Brady 97 and Harvey Coppock scored 96. Searles and Brady tied in over-all score with 281 each.

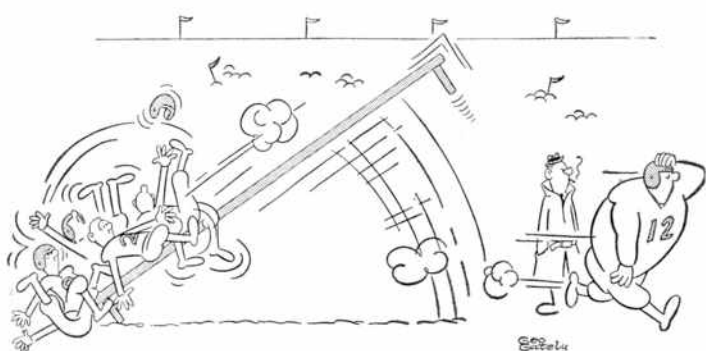
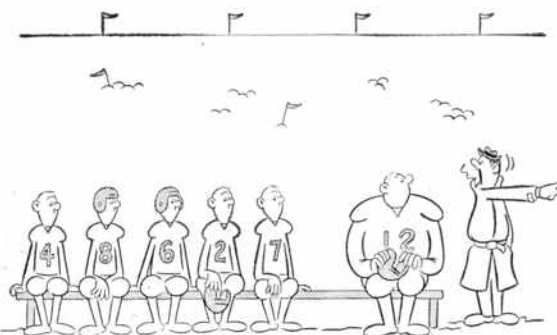
The Independents took a series from the Oak Ridge Gaseous Diffusion Plant team.

Top scorers were J. S. Eldridge, ORNL, with 284, and A. Abbatello, also from ORNL, with a fine 283.

The rifle league, according to Searles, welcomes anyone interested in learning more about marksmanship and rifle handling. The group shoots every Wednesday at the Anderson County Gun Club. More information may be obtained by calling Searles, at his plant extension 7-8265, or at his home phone, Clinton 547-2644.



"Now, there was a blocked kick you don't see every day!"



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6-10766

Depleted Uranium Uses Being Sought

Tons Of Material Available For Market

A number of potential commercial applications for depleted uranium have been indicated in two studies recently reported by the Atomic Energy Commission. The two reports, prepared independently by Oak Ridge National Laboratory and Battelle Memorial Institute, also show there are no outstanding uses at present for the material and considerable research and development apparently will be necessary.

Material Is Hexafluoride

Depleted uranium is uranium from which most of the fissionable U-235 isotope has been removed in the gaseous diffusion process. The depleted uranium which the AEC has available for purchase is in the form of uranium hexafluoride, the compound processed in the gaseous diffusion plants. Thousands of tons are available.

The ORNL report, compiled in a technical document, was made by a study group headed by J. C. Breese of the ORNL Chemical Technology Division. It said "extensive chemical and metallurgical development programs" may uncover many new commercial applications for the material. These studies, the report added, might embrace such areas as the use of uranium metal as a constituent of steels or for cathodic protection; the use of uranium compounds as refractories; fabrication of uranium metal into special radiation shielding configurations; and the recovery of concentrated hydrogen fluoride by conversion of uranium hexafluoride to uranium oxides.

Few Markets Seen Soon

The Battelle report, generally non-technical, said, "Most of the potential uses will require research and development and trial on an industrial level before significant markets can be developed. To do this will require a period of time and few new markets could logically be expected to develop within the next five years."

Existing industrial uses include applications in ceramics; in high density work, as for counterweights; scattered chemical and electrical uses; and some modest use as a gamma radiation shield.

Potential new markets include metallurgical applications in special alloys and high speed steels, and for high-density metals; possible increased applications in the field of ceramics; chemical applications in catalysis and inorganic ion-exchange systems; in radiation shielding; as counterweights and ballasts and in making ammunition; for cathodic protection; and possibly for use in fast breeder reactors of the future.

POPCORN, ANYONE?

Approximately 230,000,000 persons in the world attend movie theaters each week.

Protect your nation's security.



Ride wanted from Garden Apartment area, Oak Ridge, to North Portal, straight day. Lucille Pruitt, plant phone 7714, home phone Oak Ridge 483-6943.

Ride wanted from Norwood section, Knoxville, to East Portal, straight day. F. D. Bradburn, plant phone 7253, home phone Knoxville 689-3436.

Ride wanted or will join car pool from 271 East Drive, Oak Ridge, to Bear Creek Portal, H Shift. Alvin Reynolds, home phone Oak Ridge 483-8382.

Ride wanted from 4503 Cardinal Rd., Villa Gardens, Fountain City, to any portal, straight day. J. D. Kirkpatrick, plant phone 7993, home phone Knoxville 687-3608.

Will join car pool from 641 Robertsville Road, Oak Ridge, to Central Portal, straight day. W. H. Thompson, plant phone 7-8656, home phone Oak Ridge 482-1256.

Car pool members wanted from Cumberland Estates section to any portal, straight day. Charles Whitmarsh, plant phone 7362, home phone Knoxville 588-6383.

Ride wanted or will join car pool from North Knoxville to Bear Creek Portal, straight day. W. E. Cagle, plant phone 7728, home phone Knoxville 525-1832.

Tower Of Babel Shrine To Man's Ignorance

In the ancient land of Shinar, man built a tower trying to reach heaven. It's called the Tower of Babel. From this name comes the word "babble" or "babbling idiot." Modern man stacks crates and boxes so high sometimes you'd think he was doing the same as his ancient forerunners. Stay within the safe limit when stacking . . . it's no short cut to



HOLDING THE BIG crappie her daddy caught is nine-year-old Vickie Sue Monday. The formidable entry in the Annual Fishing Contest was pulled from the waters of Watts Bar Lake by H. M. Monday, General Machine Shop. A live minnow was the crappie's Waterloo.

Chemical Engineers Meet Tonight, ORINS Building

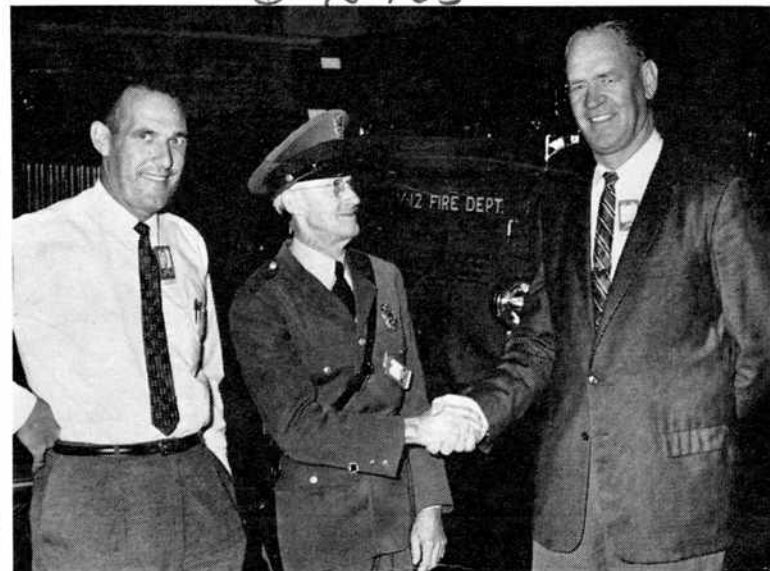
The Knoxville-Oak Ridge section of the American Institute of Chemical Engineers holds its November meeting tonight, November 1, in the Oak Ridge Institute of Nuclear Studies Training Building.

Robert A. Charpie, manager of advanced developments for Union Carbide Corporation, and former assistant director of Oak Ridge National Laboratory, will speak on "The Role of Nuclear Power in the United States Economy Over the Next Ten Years."

The AIChE meeting will be held in Room 18 of the ORINS building. All interested persons are invited to attend.

heaven, and a falling carton might make a babbling idiot of you.

6-10765



HAIL AND FAREWELL! Chief W. O. Elam, right, of the Fire and Guard Department, congratulates Luke R. Stansberry on more than 17 years faithful service in Y-12, as Emmett Moore, captain in the department gives his approval. Stansberry retired yesterday to his home outside Lake City on Route No. 1.

Poster Contest

Continued From Page 1

Meanwhile, Y-12's safety record for the year improves slightly. Through last Sunday night, October 29, the plant had operated 1,828,000 man-hours without a disabling injury. Happily, the green lights are still glowing at each portal.

The green light of safety is a personal responsibility. In 1961 alone, the plant has suffered 12 lost-time injuries. This more than doubles the number for 1960, Y-12's best year safety-wise. To improve the safety picture, all effort must be made to eliminate painful and costly injuries. Let's keep the green lights burning a long, long time!

Instrument Society Meets Tonight In Ridge

W. H. Brand, vice-president of engineering and research for the Conoflow Corp., Philadelphia, will speak tonight at the Green Room of the Ridge Recreation Hall, Oak Ridge. The Oak Ridge Section of the Instrument Society of America's meeting gets underway at 8 p.m.

Brand has chosen as his topic, "A New Approach to Valve Operator Design." He is a former supervisory engineer at Oak Ridge National Laboratory, and is past president of the national ISA.

All interested persons are invited to the meeting.

Smoking In Bed May Be Last Drag Anywhere

What causes fires? Careless smoking habits tops the list, according to National Fire Protection Association research.

A deadly combination is the still-burning butt lodged in an upholstered chair or sofa. It may smolder for hours, filling the house with lethal gases and smoke.

Deadliest habit of all is that

Former Linde Man Will Address Metals Society

The Oak Ridge Chapter of the American Society for Metals announces its next meeting at the Holiday Inn, next Wednesday, November 8. Social activities begin at 6:15 p.m., dinner at 6:45 p.m., and the meeting at 8 p.m.

Featured speaker will be Thomas B. Reed of the Lincoln Laboratory, Massachusetts Institute of Technology, Cambridge, Mass. He was formerly with the Linde Company, a division of Union Carbide Corporation, specializing in crystal growth and plasma technology. He will discuss "Plasma — Torch Techniques."

Members and guests are invited to attend the November meeting.

VOTE MANDATORY

The Central American Republic of El Salvador has laws requiring every man to vote.

last smoke in bed. Chances are it will be your last smoke!



D SHIFT GUARDS GATHER TO BID ADIEU to Luke R. Stansberry, who retired from Y-12 yesterday, October 31. The veteran guard had more than 17 years continuous

service here before his retirement. Stansberry, a native of Lake City, is currently recuperating from eye surgery.

6-10764